Consulting Engineer Editorial Index, 1959

A

Air Conditioning

How We Air Condition Europe's Skyscrapers, *Oresto Jelo and Piero Palatresi*, p92, Aug. More Light With Less Heat, *Ernest F. Siegel*, p-114. Nov.

Teach Your Staff How to Select Cooling Coils, *Donald E. McLeod*, p96, Sept.

Associations

Council Steps Ahead — Big Meeting in the Big City, The, Staff, p98, June.

Europe — 1959 — Engines, Engineers, and Enterprise, Hunter R. Hughes, p96, Aug.

Report from Canada, Marjorie Oden, p123, July.

Atomic Energy

Atoms in Action (Concerning George Charles de Hevesy), John F. Lee, p162, April.

Atoms in Action (The Economics of Nuclear Power), John F. Lee, p190, May.

Atoms in Action (The Engineer's Role in Nuclear Technology), John F. Lee, p64, Feb.

Atoms in Action (IBRD Nuclear Power Study), John F. Lee, p186, July.

Atoms in Action (Liquid Fuel Power Reactors), John F. Lee, p178, Nov.

Atoms in Action (Progress on Pathfinder Project), John F. Lee, p182, Sept.

Atoms in Action (Radioactive Waste Disposal), John F. Lee, p168, March.

Atoms in Action (The Russian Exhibition), Marjorie Oden, p127, Aug.

Atoms in Action (Russia's Nuclear Power Program), John F. Lee, p130, June.

Atoms in Action (Soviet Engineering), John F. Lee, p150, Dec.

Atoms in Action (UN Surveys of Energy Development Problems), John F. Lee, p155, Oct.

Atoms in Action (The Year 1958 – And a Glance at the Future), John F. Lee, p79, Jan.

Making Hazards Reports Make Sense, Karl H. Puechl, p108, May.

Who Will Design Nuclear Projects?, Dr. S. Baron, p118, Oct.

B

Bridges (see Highways & Bridges)

C

Chemical Engineering

New Approach to Dialysis, Louis J. Guarino, P.E. and John R. Guarino, M.D., p98, March.

Civil Engineering

An Engineer Looks Under Iran's Giant Anthills, Richard D. Harza, p106, April.

Arctic Airstrips Call For Special Handling, Stephen D. Teetor & Stanley Rosanoff, p100, April.

Design Problems For Consultants – Arctic Water Supply and Sewage Disposal, Stephen D. Teetor & Stanley Rosanoff, p90, June.

Engineering Geology Evaluation — For Preliminary Planning & Site Selection, A. H. Nicol, p118, June. Fresh Water From Sewage, David Levy and Vincent J. Calise, p100, Jan.

How Water Witching Works, Evon Z. Vogt and Ray Hyman, p136, May.

Radar Joins the Survey Party, Floyd W. Hough, p118, April.

Under the Thames to Wapping, F. C. Livingstone, p134, Nov.

Committee of One-Hundred Reports

Specifications — Who Writes Them; How They Are Written, Staff, p108, Aug.

Concrete Construction

Concrete Construction in Ancient Rome, Giorgio Pellegrini and Emanuele F. Radogna, p82, Feb. Designing Flat Plates and Slabs, E. Vernon Konkel, p110, Nov.

We Study Stresses With Polarized Light, Hans Walter, p122, May.

Corrosion

Pipe in Concrete Need Not Corrode, A. W. Peabody, p104, March.

Specify Low Alloy Steel for Bridges, W. D. Mogerman, p96, Oct.

Consulting Engineer Editorial Index, 1959

A

Air Conditioning

How We Air Condition Europe's Skyscrapers, *Oresto Jelo and Piero Palatresi*, p92, Aug. More Light With Less Heat, *Ernest F. Siegel*, p-114. Nov.

Teach Your Staff How to Select Cooling Coils, *Donald E. McLeod*, p96, Sept.

Associations

Council Steps Ahead — Big Meeting in the Big City, The, Staff, p98, June.

Europe — 1959 — Engines, Engineers, and Enterprise, Hunter R. Hughes, p96, Aug.

Report from Canada, Marjorie Oden, p123, July.

Atomic Energy

Atoms in Action (Concerning George Charles de Hevesy), John F. Lee, p162, April.

Atoms in Action (The Economics of Nuclear Power), John F. Lee, p190, May.

Atoms in Action (The Engineer's Role in Nuclear Technology), John F. Lee, p64, Feb.

Atoms in Action (IBRD Nuclear Power Study), John F. Lee, p186, July.

Atoms in Action (Liquid Fuel Power Reactors), John F. Lee, p178, Nov.

Atoms in Action (Progress on Pathfinder Project), John F. Lee, p182, Sept.

Atoms in Action (Radioactive Waste Disposal), John F. Lee, p168, March.

Atoms in Action (The Russian Exhibition), Marjorie Oden, p127, Aug.

Atoms in Action (Russia's Nuclear Power Program), John F. Lee, p130, June.

Atoms in Action (Soviet Engineering), John F. Lee, p150, Dec.

Atoms in Action (UN Surveys of Energy Development Problems), John F. Lee, p155, Oct.

Atoms in Action (The Year 1958 – And a Glance at the Future), John F. Lee, p79, Jan.

Making Hazards Reports Make Sense, Karl H. Puechl, p108, May.

Who Will Design Nuclear Projects?, Dr. S. Baron, p118, Oct.

B

Bridges (see Highways & Bridges)

C

Chemical Engineering

New Approach to Dialysis, Louis J. Guarino, P.E. and John R. Guarino, M.D., p98, March.

Civil Engineering

An Engineer Looks Under Iran's Giant Anthills, Richard D. Harza, p106, April.

Arctic Airstrips Call For Special Handling, Stephen D. Teetor & Stanley Rosanoff, p100, April.

Design Problems For Consultants – Arctic Water Supply and Sewage Disposal, Stephen D. Teetor & Stanley Rosanoff, p90, June.

Engineering Geology Evaluation — For Preliminary Planning & Site Selection, A. H. Nicol, p118, June. Fresh Water From Sewage, David Levy and Vincent J. Calise, p100, Jan.

How Water Witching Works, Evon Z. Vogt and Ray Hyman, p136, May.

Radar Joins the Survey Party, Floyd W. Hough, p118, April.

Under the Thames to Wapping, F. C. Livingstone, p134, Nov.

Committee of One-Hundred Reports

Specifications — Who Writes Them; How They Are Written, Staff, p108, Aug.

Concrete Construction

Concrete Construction in Ancient Rome, Giorgio Pellegrini and Emanuele F. Radogna, p82, Feb. Designing Flat Plates and Slabs, E. Vernon Konkel, p110, Nov.

We Study Stresses With Polarized Light, Hans Walter, p122, May.

Corrosion

Pipe in Concrete Need Not Corrode, A. W. Peabody, p104, March.

Specify Low Alloy Steel for Bridges, W. D. Mogerman, p96, Oct.

Cover Personalities

Ackerman, Adolph J., Aug. Clarkeson, John, July. Converse, J. B., March Gates, Leslie C., April Jaros Jr., Alfred L., Dec. McGaughy, John B., Feb. Marston, Frank A., Oct. Parker, C. C., Sept. Richardson, George S., May Rusting, Ir. H., Nov. Westcott, Ralph M., June

E

Economics

An Economic Investigation . . . The Gas Turbine-Steam Turbine Cycle, *I. Gabel*, p86, Aug. Consulting Engineer's Economic Outlook, *Dr. Jules Backman*, p94, Jan.

Engineering Is More Than Design — On Shopping Center Projects, *Arthur M. Sells II*, p104, June. Justifying Service Facilities For Tax-Supported Institutions, *Gordon W. Neal*, p120, Nov.

Portrait of the Profession – 1959, Part 2, Fees and Finance, Staff, p88, Feb.

Preparing Accurate Budget Estimates, Herbert F.

Schatzman, p86, Dec. When Should You Recommend Equipment Leas-

ing?, Clarence C. Kane, p96, Feb. When to Join a Joint Venture, Ralph S. Torgerson,

p122, Oct.

Electrical Engineering

Arsonist on the Premises, *Robin Beach*, p110, June. Bypass Lighting is Different, *E. F. Siegel*, p128, Apr. Consultants Can Specify Fewer Fires, *Robin Beach*, p102, July.

Dome Structures, Staff, p89, Dec.

Electrical Systems for Jet Engine Testing, James T. Howley & Douglas R. Kinsman, p92, April.

Hospital Engineering (Electrical), Staff, p118, Sept. More Light With Less Heat, E. F. Siegel, p114, Nov. Pipe in Concrete Need Not Corrode, A. W. Peabody, p104, March.

Systems to Consider When Specifying Movable Bridge Controls, *Trygve Maseng*, p112, Oct.

We Need a New Service Voltage, A. S. Anderson, pl16, Aug.

Where Can You Use Electroluminescence?, Stewart H. Ross, p126, July.

Employee Relations

Can Consultants Profit from Profit Sharing, Arthur L. Spaet, p110, April.

Get the Graduate That Fits the Firm, Chester W. Lyon, p136, July.

Engineer-Client Relations

How We Handle Inquiries from Prospective Clients, Clifford E. Evanson and J. Richard Mota, p108, Oct. How You Can Negotiate With the Navy, Captain Joseph A. McHenry, p122, March.

Proper Design Takes Planning, Perry Coke Smith, p102, May.

What's Wrong With Consulting Engineers?, Staff, p80, June.

F

Foreign Affairs

An Engineer Looks Under Iran's Giant Anthills, Richard D. Harza, p106, April.

Concrete Construction in Ancient Rome, Giorgio Pellegrini and Emanuele F. Radogna, p82, Feb. Consultants in South Africa, Peter Holz, p112, Jan. Consulting Behind the Iron Curtain, John Ashton, p134, May.

Europe – 1959 – Engines, Engineers, and Enterprise, *Hunter R. Hughes*, p96, Aug.

German Consultants – Engineers of a New Germany, Dr. Thomas P. Hughes, p123, Sept.

How We Air Condition Europe's Skyscrapers, Oresto Jelo and Piero Palatresi, p92, Aug.

Liberi Professionisti . . . or Private Practice In Italy, The Economist Intelligence Unit Ltd., p140, Nov. Private Practice Has Its Problems . . . even in

Japan, Stuart Griffin, p124, April. Private Practice Under India's Planned Economy, R. D. Lalkaka, p128, Oct.

Report from Canada, Marjorie Oden, p123, July. Report from London, Julian S. Tritton, p126, March. Under the Thames to Wapping, F. C. Livingstone,

p134, Nov. We Study Stresses With Polarized Light, *Hans* Walter, p122, May.

We Surveyed For Coal in South Vietnam, *Clayton G. Ball*, p112, Feb.

H

Highways & Bridges

America's First Iron Bridges, Richard Sanders Allen, p114, July.

America Moved West On the Old National Road, Tom Probst, p114, March.

Bypass Lighting is Different, E. F. Siegel, p128, Apr. Designing Short Span Bridges, Harold F. Sommerschield, p102, Feb.

Mass Rapid Transit To Serve the Super Cities, Irean F. Mendenhall, p92, March.

Radar Joins the Survey Party, Floyd W. Hough, p118, April.

Specify Low Alloy Steel for Bridges, W. D. Mogerman, p96, Oct.

Systems to Consider When Specifying Movable Bridge Controls, *Trygve Maseng*, p112, Oct.

History of Engineering

America's First Iron Bridges, Richard Sanders Allen, p114, July.

America Moved West on the Old National Road, Tom Probst, p114, March.

Concrete Construction in Ancient Rome, Giorgio Pellegrini and Emanuele F. Radogna, p82, Feb. Hero's Treatise on Greek Technology, James Kip Finch, p132, July.

Rhind Papyrus – Mathematics in Ancient Egypt, The, *James Kip Finch*, p94, June.

Samuel Smiles – The Engineers' Alger, Dr. Thomas P. Hughes, p114, May.

Sextus Julius Frontinus' De Aquis, James Kip Finch, p102, Oct.

Sketchbook of Villard de Honnecourt, The, James Kip Finch, p104, Nov.

Under the Thames to Wapping, F. C. Livingstone, p134, Nov.

Vitruvius' De architectura, James Kip Finch, p130, Sept.

Hydraulic Engineering

Some Neglected Design Problems of Circulating Water Systems, R. T. Richards, p94, July.

1

Insurance

Careful Comparison of Professional Liability Policies, *Helen Keller*, p120, Jan.

Instruments & Controls

Hospital Engineering (Electrical), Staff, p118, Sept. New Approach to Dialysis, Louis J. Guarino, P. E. and John R. Guarino, M.D., p98, March.

Radar Joins the Survey Party, Floyd W. Hough, p118, April.

Systems to Consider When Specifying Movable Bridge Controls, *Trygve Maseng*, p112, Oct.

We Study Stresses With Polarized Light, Hans Walter, p122, May.

L

Legal Matters

Legal Aspect (The Law of Real Property: Boundary Disputes), Melvin Nord, p52, Sept.

Legal Aspect (The Law of Real Property: Bridges), Melvin Nord, p71, Aug.

Legal Aspect (The Law of Real Property: Condemnation Proceedings), Melvin Nord, p100, Nov. Legal Aspect (The Law of Real Property: Dedication of Land), Melvin Nord, p39, June.

Legal Aspect (The Law of Real Property: Eminent Domain), Melvin Nord, p54, Oct.

Legal Aspect (The Law of Real Property: Highways, Melvin Nord, p69, July.

Legal Aspect (The Law of Real Property: Land Contracts), Melvin Nord, p56, May.

Legal Aspect (The Law of Real Property: Liens), Melvin Nord, p86, March.

Legal Aspect (The Law of Real Property: Mineral Rights), Melvin Nord, p26, Jan.

Legal Aspect (The Law of Real Property: Mortgages), Melvin Nord, p50, April.

Legal Aspect (The Law of Real Property: Oil and Gas Rights), *Melvin Nord*, p26, Feb.

Legal Aspect (The Law of Real Property: Urban Redevelopment & City Planning), Melvin Nord, p46, Dec.

M

Mechanical Engineering

Dome Structures, Staff, p89, Dec. Hospital Engineering (Mechanical), Staff, p107, Sept.

How We Air Condition Europe's Skyscrapers, Oresto Jelo and Piero Palatresi, p92, Aug.

More Light With Less Heat, E. F. Siegel, p114, Nov. Proper Approach to Freight Elevator Design, The, Gustav B. Gusrae, p128, May.

Teach Your Staff How to Select Cooling Coils, Donald E. McLeod, p96, Sept.

Where To Use a Curtain of Air, Walter Norton, p108, March.

O

Office Operation

Burns & McDonnell Builds a New Office, R. G. Kincaid, p106, July.

Can You Account for the Top Men's Time?, William W. Moore and Richard C. McGowan, p92, Jan. Forrest and Cotton Decorate A Downtown Engi-

neering Office, Lucile Ayres Payne, p113, Aug. How We Handle Inquiries From Prospective Clients, Clifford E. Evanson and J. Richard Mota, p108, Oct.

Office Building Designed for Engineers, p106, Feb. Organization Problems in a Consulting Firm, *David L. Narver Jr.*, p106, Jan.

Referencing Technical Information, Daniel I. Weinberg, p124, Dec.

Small Computers for Small Firms, William A. Briggs, p116, Feb.

We Put Our Records & Drawings On Microfilm, Charles George Schneider, p114, Jan.

When to Join a Joint Venture, Ralph S. Torgerson, p122, Oct.

Plant Site

Engineering Geology Evaluation — For Preliminary Planning & Site Selection, A. H. Nicol, p118, June.

Power

An Economic Investigation . . . The Gas Turbine-Steam Turbine Cycle, *I. Gabel*, p86, Aug. Justifying Service Facilities For Tax-Supported In-

stitutions, Gordon W. Neal, p120, Nov.

Some Neglected Design Problems of Circulating Water Systems, R. T. Richards, p94, July.

Professional

Can Consultants Profit From Profit Sharing, Arthur L. Spaet, p110, April.

Can You Account for the Top Men's Time?, William W. Moore and Richard C. McGowan, p92, Jan. Careful Comparison of Professional Liability Poli-

cies, Helen Keller, p120, Jan.

Consulting Engineer's Economic Outlook, Dr. Jules Backman, p94, June.

Get the Graduate That Fits the Firm, Chester W.

Lyon, p136, July.

How We Handle Inquiries from Prospective Clients, Clifford E. Evanson and J. Richard Mota, p108, Oct. How You Can Negotiate With the Navy, Captain Joseph A. McHenry, p122, March.

Portrait of the Profession — 1959, Staff, p88, Jan. Portrait of the Profession — 1959, Part 2, Fees and Finance, Staff, p88, Feb.

Organization Problems in a Consulting Firm, David

L. Narver, Jr., p106, Jan.

What's Wrong With Consulting Engineers?, Staff, p80, June.

When to Join a Joint Venture, Ralph S. Torgerson, p122, Oct.

Who Does What?, Milton Tucker, p104, Aug.

Project Coordination

Engineering Is More Than Design — On Shopping Center Projects, Arthur M. Sells II, p104, June. Proper Design Takes Planning, Perry Coke Smith, p102, May.

Who Does What?, Milton Tucker, p104, Aug.

Project Reports

Dome Structures, Staff, p89, Dec. Hospital Engineering, Staff, p99, Sept.

5

Sanitary Engineering

Design Problems For Consultants — Arctic Water Supply and Sewage Disposal, Stephen D. Teetor & Stanley Rosanoff, p90, June.

Soils Mechanics

Controlling Vibration With Soil Stabilization, J. F. Wiss, J. A. Zurbrigen, J. P. Gnaedinger, p126, Nov. Engineering Geology Evaluation — For Preliminary Planning Site Selection, A. H. Nicol, p118, June.

Specifications

How to Set Up a Master Specification, Hugh C. Carter, p130, Nov.

Specifications – Who Writes Them; How They Are Written, Staff, p108, Aug.

Structural Engineering

Concrete Construction in Ancient Rome, Giorgio Pellegrini and Emanvele, F. Radogna, p82, Feb. Designing Flat Plates and Slabs, E. Vernon Konkel,

p110, Nov.

Designing Short Span Bridges, Harold F. Sommerschield, p102, Feb.

Dome Structures, Staff, p89, Dec.

Hospital Engineering (Structural), Staff, p102, Sept. Specify Low Alloy Steel for Bridges, W. D. Mogerman, p96, Oct.

Steel Price Code Leaves Opening For Price Disputes, Greer W. Ferver, p112, July.

Under the Thames to Wapping, F. C. Livingstone, p134, Nov.

We Study Stresses With Polarized Light, Hans Walter, p122, May.

Survey of the Profession

Portrait of the Profession — 1959, Staff, p88, Jan. Portrait of the Profession — 1959, Part 2, Fees and Finance, Staff, p88, Feb.

T

Transportation

Mass Rapid Transit To Serve the Super Cities, Irvan F. Mendenhall, p92, March.
Proper Approach to Freight Elevator Design, The, Gustav B. Gusrae, p128, May.

W

Water Supply & Waste Disposal

An Engineer Looks Under Iran's Giant Anthills, Richard D. Harza, p106, April.

Design Problems For Consultants — Arctic Water Supply and Sewage Disposal, Stephen D. Teetor & Stanley Rosanoff, p90, June.

Fresh Water From Sewage, David Levy and Vincent J. Calise, p100, Jan.

How Water Witching Works, Evon Z. Vogt and Ray Hyman, p136, May.

Sextus Julius Frontinus' De Aquis, *James Kip Finch*, p102, Oct.